

JC20 Rec'd PCT/PTO 18 MAY 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT  
ACCORDING TO 37 C.F.R. §1.97(b)

APPLICANT: Manfred Fuchs DOCKET NO.: P05,0173

INTERNATIONAL APPLICATION NO.: PCT/DE03/03457

INTERNATIONAL FILING DATE: October 10, 2003

INVENTION: "METHOD FOR THE PRODUCTION OF AND PROTECTIVE LAYER  
FOR LAYER OF LUMINESCENT MATERIAL"MAIL STOP PCT  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. §1.56 and the requirements of 37 C.F.R. §1.98, Applicant respectfully requests that a citation and examination of the references identified on the attached PTO 1449 form be made during the course of examination of the above-identified application for United States Patent.

The present Information Disclosure Statement is being filed according to 37 C.F.R. §1.97(b) and before the latter occurrence of:

- (1) three months from the filing date of a national application;
- (2) three months from the date of entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application; or
- (3) the mailing date of a first Office Action on the merits.

**REMARKS**

The attached PTO 1449 form lists related art references for the above identified application. In accordance with 37 C.F.R. §1.98(a)(2)(ii), no copies of the U.S. patent documents are being supplied herewith, but will be provided upon request.

## **EXPLANATION OF RELEVANCE**

The relevance of reference B2 was discussed in the Specification. References B1-B5 were cited in the International Search Report. References B6 and B7 were cited during the prosecution of the priority document. References B1, B7, and B3-B6 are in English.

Reference B1: JP 2002-1 74697 discloses a luminescent layer but fails to disclose a hardened region within the layer.

Reference B2: DE 100 48 810 discloses a luminescent layer but fails to disclose a hardened region within the layer. Instead it discloses applying a further hardened layer and therefore discloses a multi-layer structure. Further protective functions like protection against moisture are not disclosed.

Reference B3: EP 0 304 300 discloses a luminescent layer with a multi-layer structure but does not disclose a hardened region within the layer nor a hardened layer at all.

Reference B4: EP 0 510 753 discloses a luminescent layer with a further protective layer that is applied as a liquid and then cured. However curing does not imply hardening and a hardened layer is not disclosed.

Reference B5: EP 0 908 900 as the precedent mentioned prior art discloses a luminescent layer with a further protective layer that is applied as a liquid and then cured and fails to disclose any hardened layer.

Reference B6: EP 0126218 discloses a luminescent layer that is cured in order to make it hydrophilic. The hydrophilic character improves adsorption of a liquid sample that is to be examined. However no hardened layer is disclosed.

Reference B7: JP 10239498 discloses a luminescent layer with a further protective layer. Neither a hardened layer nor a hardened region of a layer is disclosed.

The filing of the present Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be

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construed as an admission that the information cited in the present Information Disclosure Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

The above citation of related art is not a representation that such art constitutes a complete or exhaustive listing of all pertinent related art, nor that it necessarily includes the closest or most relevant art. The aforementioned citation comprises a voluntary citation of related art of which applicant and his attorney are presently aware and is not intended to serve as a substitute for the Examiner's own search.

Submitted by,

Mark Bergner (Reg. No. 45,877)

Mark Bergner  
SCHIFF HARDIN, LLP  
PATENT DEPARTMENT  
6600 Sears Tower  
Chicago, Illinois 60606-6473  
(312) 258-5779  
Attorney for Applicant(s)  
**CUSTOMER NUMBER 26574**

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

***(Use as many sheets as necessary)***

Sheet

1

of

2

**Complete if Known**

Application Number

10/535332

Filing Date

October 10, 2003

First Named Inventor

Manfred Fuchs

Art Unit

Examiner Name \_\_\_\_\_

Attorney Docket Number

P05,0173

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	B1	JP 2002-174697	06/21/2002	Fuji Photo Film Co Ltd	Abstract Only	
	B7	JP 10239498 A	09/11/1998	Toshiba Corp.	Abstract Only	
	B2	DE 100 48 810 A1	04/18/2002	Siemens AG	Abstract	
	B5	EP 0 908 900 A1	04/14/1999	Agfa-Gevaert N.V.		
	B4	EP 0 510 753 B1	10/23/1996	Agfa-Gevaert N.V.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet

2

01

2

Attorney Docket Number

P05.0173

**Complete if Known**

Application Number

U7535  
PCT/DE03/03457

Filing Date

October 10, 2003

**First Named Inventor**

Manfred Fuchs

Art Unit

Examiner Name \_\_\_\_\_

Attorney Docket Number

P05.0173

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	B5	EP 0 304 300 B1	12/30/1992	Konica Corporation		
	B6	EP 0 126 218 A2	11/28/1984	Fuji Photo Film Co Ltd.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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